Computer Science Lecturer Test Important Topics & MCQS For PPSC Exams

Computer Science Lecturer Test Important Topics & MCQS For PPSC Exams

For Computer Science Lecturer Test you should revise the following concepts of all major subjects:

Data Structure [Concepts, FIFO, LIFO, Link List, Binary tree, Graph, Nodes, etc]

Computer Architecture [Basic concepts,Instruction set, Addressing modes, I/O Intrusts Handlers,

Registers, FF, Operation Codes, etc]

Database [Concepts, DBMSs, Logical DB, Security, Integrity, SQL, etc]

Operation System [Introduction, Process Management, Deadlock, Memory Management, Cache, Disk

Errors, IRQ, Addressing modes, Virtual Memory etc]

Networks [OSI Model, Standards, Topologies, LAN,WAN, MAN, RING, STAR, BUS, ROUTER, HUB,

Modem, Full Duplex, Half Duplex, Encoding, Decoding, Asynchronous, Synchronous modes etc]

Data Communication [Basics, Modes, Multiplexing, DeMux]

Object Oriented Programing [Concepts, Polymorphism, Inheritance, Encapsulation, Data Hiding etc) ,

and c++ basic, GUI functions, Strings etc]

Computer Science Mcqs For PPSC Exams

1. Which perform modulation and Demodulation: (Modem NIC Hub Bridge).

2. Output of 7.5%3 in C is: (1 .5, .5, No output, Error)

3. Transition in Process state may be: (ready running block, Block ready suspend, two option

missing, perhaps correct one as well)

4. Computer can not load files if not present: (loader, Operating System, Assembler, compiler)

5. Multiplexing involve which technique (serial, parallel, Both, None)

6. Front end processor may called: (Sorry forget the option),

7. 6110 in binary. (there were many Numbers in 8 bits which logical incorrect. 1 byte can't this

number so correct answer was none of these)

8. Which tell the computer to do a job: (Op code, Flip Flop, Buses, Address)

9. The And gate which perform both Positive and Negative operation is (Nand, Nor)

10. Which is most suitable answer if a company wants to extend its LAN by connecting its Dept of

Production lies in suburbs of the company: (Modem, wire, Router, Switch/Hub)?

11. The technique which help the computer in pattern recognition. (Sorry not remember).

12. A question was about Registers. I recalled my memory but couldn't.

13. DBMS provide access to its users via (query language, SQL, C,)

14. AI programming with (Forton, Basic, Prolog, Assembly)

15. Which java file support GUI. (swing, IO, Lang)

Computer Science Mcqs For Public Service

Commission Exams

1. Which of the following best describes "virtual memory"?

a. A portion of the hard disk considered as RAM.

b. Extended memory on the secondary storage that is used whenever physical memory is full .

c. The abstraction of separating logical memory – memory as seen by the process – from physical

memory – memory as seen ny the processor.

d. It is the page file in Windows folder.

e. None of these.

2. The 'cmp' instruction modifies the:

a. Instruction register.

b. Flags register.

c. Segment register.

d. None of these.

3. Consider the following page reference string:

1,2,3,4,2,1,5,6,2,1,2,3,7,6,3,2,1,. Assuming there are 4 page framess available and that all frames

are initially empty, what is the total number of page faults that would occur for the page reference

string above if the least-recently-used (LRU) replacement policy is used?

a. 6

b. 9

c. 10

d. 11

e. None of these

4. The Banker's algorithm is used to __________

a. Rectify deadlock

b. Detect deadlock

c. Prevent deadlock

d. Avoid deadlock

e. None of these

5. The necessary conditions needed before deadlock can occur are _________.

a. No Mutual Exclusion, Hold and wait, Preemption, Circular Wait.

b. Mutual Exclusion, No Hold and wait, Preemption, Circular Wait.

c. Mutual Exclusion, Hold and wait, No Preemption, Circular Wait.

d. Mutual Exclusion, Hold and wait, Preemption, No Circular Wait.

6. Differences between data lick layer and transport layer error detection is that:

a. Data link detects transmission errors while transport layer detects segmentation faults.

b. Data link detects node-to-node errors while transport layer detects end-to-end errors.

c. Data link detects end-to-end errors while transport layer detects node-to-node errors

d. Data link detects segmentation errors while transport layer detects bit error.

e. None of theses

7. Phase Shift Keying (PSK) method is used to modulate digital signals at 9600bps using 16 levels.

The line signals speed (i.e. modulation rate) will be:

a. 1200 bands

b. 2400 bands

c. 4800 bands

d. 9600 bands

e. None of these

8. Exception handling is a powerful tenchnique that separates error-handling code from _______ code

a. Buggy

b. Faulty

c. Normal

d. Exceptional

e. None of these

9. When a subroutine is called, the address of the instruction following the CALL instructions stored

in/on the:

a. Stack pointer

b. Accumulator

c. Programs counter

d. Stack

e. None of these

10. Binary tree "preorder" traversal is defined recursively as follows:

a. Traverse left subtree, visit the root, traverse right subtree

b. Traverse right subtree, visit the root, traverse left subtree

c. Visit the root, traverse left subtree, traverse right subtree

d. traverse left subtree, traverse right subtree, visit the root

e. None of these

11. What value will return to the operating system upon the successful completion of a program?

a. -1

b. 1

c. 0

d. None of these

12. Which of the following is TRUE about given UML diagram?

a. Checking Accound is a generalization of Saving Account

b. Bank Account is composition of Checking Account and Saving Account

c. Saving Account can process Check

d. Checking Account has a balance?

e. None of theses

13. The advantages of creating a prototype are:

a. It allows developers to experiment with number of different design options.

b. It can serve as means of communication between developers and customers.

c. It is better than water fall model

d. Both a and b

e. None of these

14. Choose the correct statement:

a. Testing can show the presence of bugs but never their absence

b. Testing can always find all the bugs

c. Testing can always be exhaustive

d. If we test enough then we can find all of the bugs

e. None of these

15. Which of the following operations need the participating relations to be union compatible?

a. UNION

b. INTERSECTION

c. DIFFERENCE

d. All of these

e. None of these

16. The language used in application programs to request data from the DBMA is reffered to as the:

a. DML

b. DDL

c. VDL

d. SDL

e. None of these

17. What is the correct XHTML for a paragraph?

a. <P></p>

b. <P></P>

c. <p></p>

d. </p><p>

e. None of these

18. Which of the follwoing HTML form method is suitable when you need to send larger form

submission?

a. Get

b. Post

c. Both Get and Post

d. Ajax

e. None of these

19. (2,4) is a point on a circle that has senter at the origion. Which of the follwoing points are also on

circle?

a. (2,-4)

b. (-2,4)

c. (4,-2)

d. All of the above

e. None of these

20. In Bresenham's algorithm, while generating a circle, it is easy to generate?

a. One octant first and other by successive reflection

b. One octant first and other by successive rotation

c. One octant first and other by successive translation

d. All octants

e. None of these.

District Zakat Officer, Labor Inspector, Labor Officer, Food Inspector, Assistant Food Controller, Deputy Superintendent Jail, Manager Auqaf, Social Security Officer, Sub-Inspector FIA, Assistant Superintendent Jail, Sub-Inspector Police, ASI Police, Inspector Police, Assistant director.